

MECHANISMS OF AGEING AND DEVELOPMENT

VOLUME CONTENTS

Volume 61 (1991)

Tau-ubiquitin protein conjugates in a human cell line	1
E.R. Mesco and P.S. Timiras (Berkeley, CA)	
Cellular differentiation and the microcompartmentation of glycolysis ...	11
C. Masters (Brisbane, Australia)	
Light and electron microscopic features of peripheral ganglion cells cultured from young and aged Wistar rats	23
J. Koistinaho, K. Hatanpää and A. Hervonen (Tampere, Finland)	
Agonist-induced Ca ²⁺ mobilization in the rat submandibular gland during aging and subsequent to chronic propranolol treatment	33
J.E. Melvin, A.C. O'Connell, L. Koek and W.H. Bowen (Rochester, NY)	
Aging as a multi-step process characterized by a lowering of entropy production leading the cell to a sequence of defined stages	45
O. Toussaint, M. Raes and J. Remacle (Namur, Belgium)	
The craniofacial proportions and laryngeal position in monkeys and man of different ages. (A morphometric study based on CT-scans and radiographs)	65
C. Flügel and J.W. Rohen (Erlangen, F.R.G.)	
Age-related changes in the lipoprotein substrates for the esterification of plasma cholesterol in rats	85
S.-M. Lee, B.J. Kudchodkar and A.G. Lacko (Fort Worth, TX)	
Oxidized ascorbic acid and reaction products between ascorbic and amino acids might constitute part of age pigments	99
D. Yin and U.T. Brunk (Linköping, Sweden)	
Is aging preprogrammed? Observations from the brain/gut axis.....	113
R.J. Greenstein, M.M. Ybanez, R.-L. Zhang and W.A. Bauman (New York, NY)	
Ageing, exercise and Food restriction: effects of skeletal muscle glucose uptake	123
J.L. Ivy, J.C. Young, B.W. Craig, W.M. Kohrt and J.O. Holloszy (St. Louis, MO)	
Physiology of murine B lymphocytes II. Life-spans of mitogen and thymus-independent antigen (type 2) reactive B lymphocytes from aged mice ..	135
V. Udhayakumar, S. Niranjan Goud, R.J. Cross and B. Subbarao (Lexington, KY)	
Is the first site of phosphorylation operative in rat brain mitochondria in early neonatal life? A critical re-evaluation.....	149
R.R. Rajan and S.S. Katyare (Bombay, India)	
Myosin light chain 1 isoform expression remains constant during ageing in Wistar F455 rats.....	163
A.L. Dunathan, M.I. Lomax and K.F. Barald (Ann Arbor, MI)	

Age-related structural changes in the rat cerebellar cortex: effect of choline alfoscerate treatment.....	173
F. Amenta, M. del Valle, J.A. Vega and D. Zaccheo (Oviedo, Spain; Rome and Genova, Italy)	
Enzyme histochemistry of aging rat kidney.....	187
P. Napoleone, E. Bronzetti and F. Amenta (Rome, Italy)	
Longitudinal Gompertzian analysis of pancreatic cancer mortality in the U.S., 1962-1987: distinguishing between competitive and environmental influences upon evolving mortality patterns.....	197
J.E. Riggs (Morgantown, WV)	
Human B cell proliferative responses during aging. Reduced RNA synthesis and DNA replication after signal transduction by surface immunoglobulins compared to B cell antigenic determinants CD20 and CD40.....	209
R.L. Whisler, J.W. Williams Jr. and Y.G. Newhouse (Columbus, OH)	
A new murine model of aging lung: The senescence accelerated mouse (SAM)-P	223
Y. Uejima, Y. Fukuchi, T. Nagase, R. Tabata and H. Orimo (Tokyo, Japan)	
Failure of dietary restriction to enhance cytolytic and chemiluminescent activi- ty of peritoneal exudate cells from ageing rats	237
M.L. Riley-Roberts, P.M. Evans, R.J. Turner and B.J. Merry (Aberystwyth and Liverpool, U.K.)	
Neurotransmitters, neuroreceptors and aging	249
F. Amenta, D. Zaccheo and W.L. Collier (Rome and Genova, Italy and Venice, FL)	
A comparison between hormone levels and T lymphocyte function in young and old rats	275
R.G. Goya, K. Brooks and J. Meites (Lansing, MI)	
Age-related changes in Cu,Zn superoxide dismutase, Se-dependent and -independent glutathione peroxidase and catalase activities in specific areas of rat brain	287
M.R. Ciriolo, K. Fiskin, A. De Martino, M.T. Corasaniti, G. Nistico and G. Rotilio (Rome and Catanzaro, Italy)	
Protein kinase C- β -like immunoreactivity and phosphorylation dependent immunoreactivity of neurofilaments in developing, adult and aged rat peripheral neurons	299
R. Roivainen and J. Koistinaho (Tampere, Finland)	
Waning cardiovascular responses to adrenergic drugs in conscious ageing rats	313
R.D. Buñag and T.-L. Teräväinen (Kansas City, KS)	
Announcement	327
Author Index	329
Subject Index	331
Volume Contents	335

